



**Science**  
**Class 7**  
**Topic: Habitats And Food Chains**  
**Reinforcement Worksheet**

Name: \_\_\_\_\_ Sec: \_\_\_\_\_ Date: \_\_\_\_\_

Q.1 Circle the right answer:

1. Which food chain correctly describes the flow of energy in an ecosystem?

- a) Grass-->cow-->human
- b) Caterpillar-->leaf-->human.
- c) Cow-->grass-->human
- d) Leaf-->bird-->caterpillar

2. Example of omnivores is

- a) Lion
- b) Hawk
- c) Human
- d) Snake

3. Look at the following food chain and identify the secondary consumer.

Water weeds → pond snail → great diving beetle → heron

- a) Heron
- b) Pond Snail
- c) Great diving beetle
- d) Water weeds

4. Which of the following characteristics help(s) water hyacinth to float on water?

- a) Air spaces
- b) Waxy leaves
- c) Succulent stem
- d) Tendrils

5. When animals depend on plants and plants depend on animals for food and protection, we say that they are

- a) Interlinked
- b) Interdependent
- c) Wise
- d) Independent

**Q.2 Fill in the blanks.**

1. \_\_\_\_\_ reflects light upward through the diaphragm and specimen in a microscope.
2. \_\_\_\_\_ pumps blood around the body.
3. Chloroplast contains \_\_\_\_\_, which traps the light

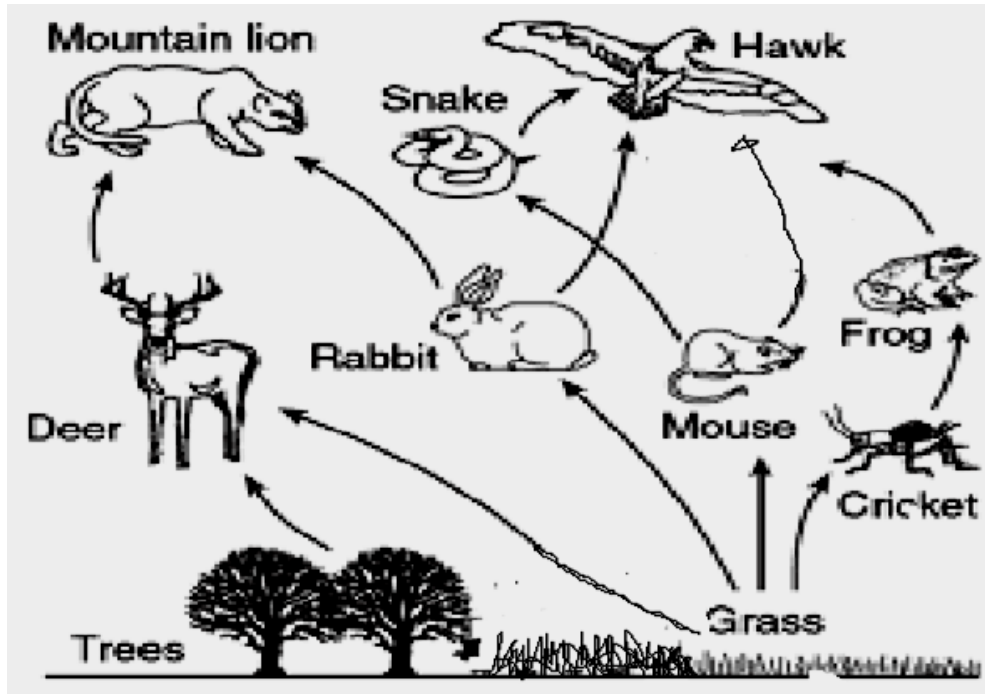
**Q3. Match the following**

- |                                |  |
|--------------------------------|--|
| 1. _____ food web              | a. mushrooms, fungi, or mold and bacteria.                         |
| 2. _____ decomposers           | b. contamination of an environment especially by waste.            |
| 3. _____ behavioral adaptation | c. how plants and animals in a habitat connect through their food. |
| 4. _____ pollution             | d. animals feeding on plants                                       |
| 5. _____ herbivore             | e. wolves hunting in a pack  |

**Q4. Complete the table.**

<i>Organism</i>	<i>Habitat</i>	<i>Adaption for survival (any 1)</i>
<b>Turtle</b>		
<b>Mosquito larva</b>		
<b>Cactus</b>		
<b>Vine trees</b>		
<b>Water hyacinths</b>		
<b>Owl</b>		

**Q5. Identify consumers and predators from the food web given below.**



- a) Consumers \_\_\_\_\_
- b) Predator \_\_\_\_\_
- c) What would happen if the top predators were killed?

\_\_\_\_\_

\_\_\_\_\_

- d) Identify an organism(s) which is both a predator and a prey.

\_\_\_\_\_

Q6a) A community in which barn owls and snakes consume only mice is being observed. If the number of snakes increases, what is most likely to happen first?

\_\_\_\_\_

- b) Why producers are always found at the beginning of a food chain?

\_\_\_\_\_

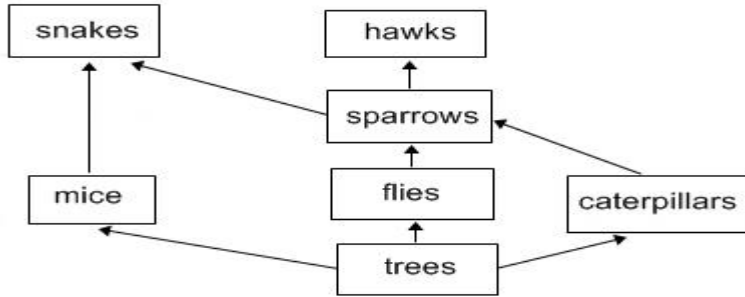
- c) Why pesticides are said to “ move up the food chain”.

\_\_\_\_\_

- d) Why an increase in pesticides use has resulted in a decrease in the local bat population.

\_\_\_\_\_

**Q7a. Look at the food web and answer the following questions.**



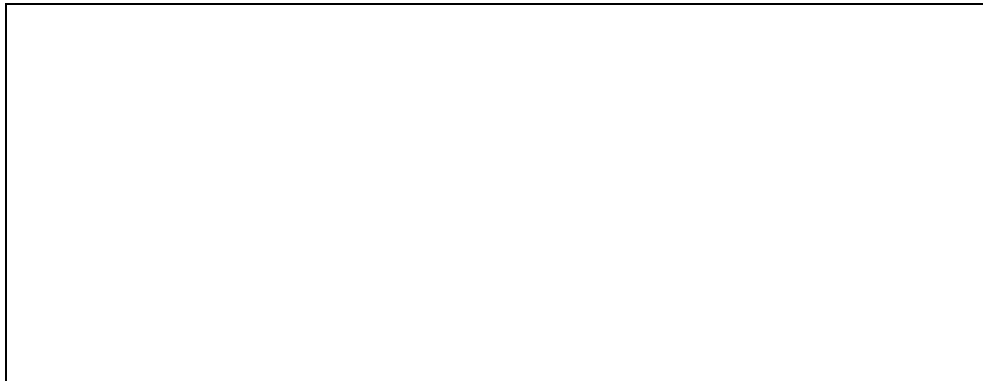
Complete the following sentences using the words increase or decrease to describe what happen to the food web.

i. If sparrows are eaten by snakes, then the number of caterpillars will.

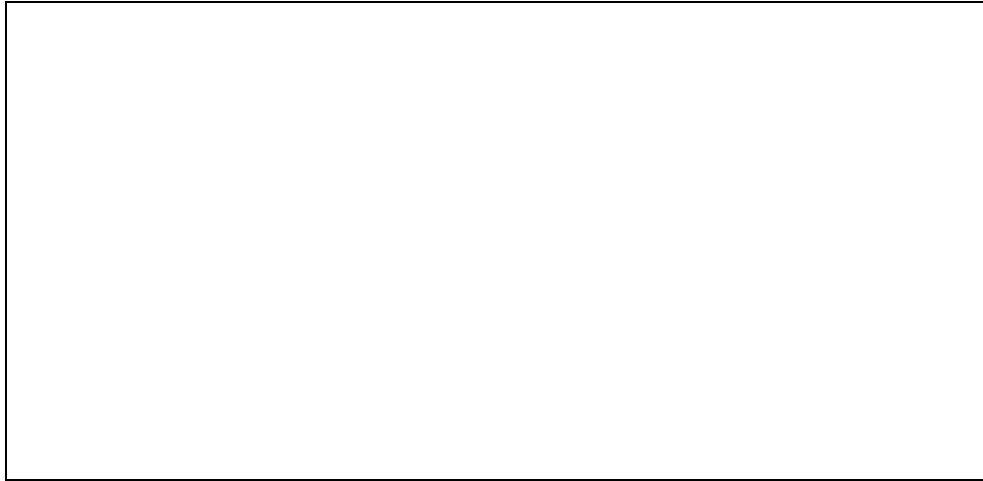
ii. If mice increase in number, then the number of snakes will?

b). Look at the following food chain. The numbers in brackets show how many of each organisms was found in each chain. Make a pyramid using this information:

i) Lettuce (14) ---→ slug (8) ----→ hedgehog (1)



ii) rose bush (1) → greenfly (26) → bird [6]



Q8. Answer each riddle below keeping in mind the food chain. A food chain always begins with a producer.

1. I am a fungus. I break down dead plants and animals.  
What am I? \_\_\_\_\_
2. I am a tree. I make my own food. What am I? \_\_\_\_\_
3. I am a living thing that cannot make food. What am I? \_\_\_\_\_
4. I am a bear. I eat berries and fish. What am I? \_\_\_\_\_

Q9. Give reasons:

1. Fishes have streamlined bodies.  
\_\_\_\_\_  
\_\_\_\_\_
2. Penguins have webbed feet while seals have flippers  
\_\_\_\_\_  
\_\_\_\_\_
3. Dolphins and whales are not fishes.  
\_\_\_\_\_  
\_\_\_\_\_
4. The leaves of cacti are reduced to needles and pines.  
\_\_\_\_\_  
\_\_\_\_\_

**Q10.What are the adaptations which help polar bear to survive the extremely low temperatures in its habitat?**

Ans. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_